

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072325\  
 Data File : VW031900.D  
 Acq On : 23 Jul 2025 09:07  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jul 24 02:46:22 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W072225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 23 08:18:46 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/24/2025  
 Supervised By :Semsettin Yesilyurt 07/24/2025

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.959          | 168  | 228509     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.849          | 114  | 409489     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.629         | 117  | 362940     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.550         | 152  | 168882     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.313          | 65   | 156054     | 45.145  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 63 - 155 |      | Recovery = | 90.280% |        |          |
| 35) Dibromofluoromethane     | 7.898          | 113  | 129449     | 46.522  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 70 - 134 |      | Recovery = | 93.040% |        |          |
| 50) Toluene-d8               | 10.325         | 98   | 495451     | 47.047  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 123 |      | Recovery = | 94.100% |        |          |
| 62) 4-Bromofluorobenzene     | 12.617         | 95   | 184279     | 45.572  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 17 - 146 |      | Recovery = | 91.140% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.046          | 85   | 83772      | 49.326  | ug/l   | 95       |
| 3) Chloromethane             | 2.259          | 50   | 107511     | 49.321  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.405          | 62   | 139384     | 49.224  | ug/l   | 99       |
| 5) Bromomethane              | 2.826          | 94   | 100829     | 48.356  | ug/l   | 97       |
| 6) Chloroethane              | 2.972          | 64   | 89851      | 48.078  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.314          | 101  | 139183     | 48.530  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.722          | 74   | 89646      | 46.793  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 4.112          | 101  | 130997     | 47.486  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.301          | 142  | 201060     | 48.747  | ug/l   | 100      |
| 11) Tert butyl alcohol       | 5.222          | 59   | 47862      | 235.550 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.082          | 96   | 147199     | 48.310  | ug/l   | 97       |
| 13) Acrolein                 | 3.929          | 56   | 65329      | 238.148 | ug/l   | 99       |
| 14) Allyl chloride           | 4.704          | 41   | 235746     | 49.701  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.405          | 53   | 207266     | 241.988 | ug/l   | 99       |
| 16) Acetone                  | 4.167          | 43   | 215684     | 262.941 | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.417          | 76   | 389152     | 49.246  | ug/l   | 98       |
| 18) Methyl Acetate           | 4.710          | 43   | 112564     | 49.809  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.466          | 73   | 263516     | 50.054  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.954          | 84   | 172003     | 48.929  | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 5.460          | 96   | 153598     | 47.512  | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.337          | 45   | 469027     | 49.417  | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.283          | 43   | 1526354    | 246.157 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.246          | 63   | 288789     | 48.870  | ug/l   | 100      |
| 25) 2-Butanone               | 7.191          | 43   | 278936     | 248.536 | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 7.185          | 77   | 161889     | 48.390  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.191          | 96   | 183258     | 48.218  | ug/l   | 97       |
| 28) Bromochloromethane       | 7.532          | 49   | 118423     | 47.863  | ug/l   | 96       |
| 29) Tetrahydrofuran          | 7.545          | 42   | 180438     | 245.219 | ug/l   | 98       |
| 30) Chloroform               | 7.691          | 83   | 300832     | 48.553  | ug/l   | 98       |
| 31) Cyclohexane              | 7.971          | 56   | 247369     | 46.660  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 7.886          | 97   | 233362     | 49.496  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.093          | 75   | 214445     | 50.184  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.270          | 43   | 122313     | 50.176  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.087          | 117  | 208858     | 50.928  | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.343          | 83   | 268235     | 49.879  | ug/l   | 99       |
| 40) Benzene                  | 8.337          | 78   | 633967     | 50.118  | ug/l   | 100      |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/24/2025  
 Supervised By :Semsettin Yesilyurt 07/24/2025

Quant Time: Jul 24 02:46:22 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W072225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 23 08:18:46 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.502  | 41   | 69319    | 47.504  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.410  | 62   | 206858   | 51.096  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.435  | 43   | 223752   | 50.703  | ug/l   | 100      |
| 44) Trichloroethene           | 9.099  | 130  | 147239   | 48.970  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.374  | 63   | 151983   | 49.889  | ug/l   | 97       |
| 46) Dibromomethane            | 9.465  | 93   | 94456    | 50.018  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.648  | 83   | 231184   | 51.053  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.441  | 41   | 106791   | 50.865  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.465  | 88   | 17306    | 918.404 | ug/l # | 78       |
| 51) 4-Methyl-2-Pentanone      | 10.215 | 43   | 615450   | 254.833 | ug/l   | 99       |
| 52) Toluene                   | 10.392 | 92   | 405262   | 49.838  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.611 | 75   | 224875   | 51.769  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.075 | 75   | 252855   | 50.972  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.788 | 97   | 123230   | 49.126  | ug/l   | 89       |
| 56) Ethyl methacrylate        | 10.648 | 69   | 183657   | 51.840  | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 10.934 | 76   | 222232   | 50.287  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.928  | 63   | 464954   | 255.506 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.971 | 43   | 434630   | 258.903 | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.129 | 129  | 153239   | 52.395  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.233 | 107  | 121982   | 49.213  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.867 | 164  | 120392   | 50.312  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.660 | 112  | 425800   | 47.936  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.727 | 131  | 141312   | 51.316  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.727 | 91   | 785972   | 50.360  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.836 | 106  | 590550   | 100.513 | ug/l   | 99       |
| 69) o-Xylene                  | 12.166 | 106  | 282221   | 50.757  | ug/l   | 98       |
| 70) Styrene                   | 12.178 | 104  | 482249   | 50.941  | ug/l   | 99       |
| 71) Bromoform                 | 12.349 | 173  | 76122    | 50.545  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.458 | 105  | 732068   | 49.959  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.269 | 43   | 198317   | 50.062  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 151452   | 48.693  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.763 | 75   | 111417m  | 47.784  | ug/l   |          |
| 77) Bromobenzene              | 12.745 | 156  | 154299   | 48.667  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.800 | 91   | 879440   | 48.866  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.891 | 91   | 528668   | 49.200  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 611684   | 49.773  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.507 | 75   | 51566    | 51.058  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.983 | 91   | 541303   | 48.019  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.202 | 119  | 514600   | 49.158  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 617855   | 49.671  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.379 | 105  | 769786   | 48.967  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.495 | 119  | 634293   | 48.815  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.495 | 146  | 305176   | 46.241  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.574 | 146  | 302064   | 46.722  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.818 | 91   | 620318   | 48.665  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.086 | 117  | 108392   | 48.241  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 13.867 | 146  | 277050   | 47.368  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.476 | 75   | 26730    | 47.568  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.129 | 180  | 168311   | 47.716  | ug/l   | 94       |
| 94) Hexachlorobutadiene       | 15.226 | 225  | 86628    | 51.828  | ug/l   | 97       |
| 95) Naphthalene               | 15.360 | 128  | 430454   | 49.637  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 155785   | 48.745  | ug/l   | 93       |

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ClientSampleId :  
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Manual Integrations  
APPROVED

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Quant Time: Jul 24 02:46:22 2025  
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Quant Title : SW846 8260  
QLast Update : Wed Jul 23 08:18:46 2025  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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